

IN THE CLAIMS:

1. (Currently Amended) A golf club head comprising:

a toe section;

a heel section;

a strike face;

a substantially transparent rear-insert; and

a center section joining the toe section to the heel section,
the center section ~~including~~ having a floor, and a cavity ~~having a~~
cavity therein for receiving the rear-insert; and

the toe section, heel section and center section are a single
piece, and the toe section and heel sections together comprise at
least 80% of the weight of the club head.

2. (Cancelled)

3. (Previously presented) The golf club head of claim 1,
wherein the toe section and heel section together comprise at least
90% of the weight of the club head.

4. (Currently Amended) The golf club head of claim 1, wherein the cavity ~~includes~~ is defined by a back wall, ~~a~~ the floor, two side walls and a roof, with the roof, back wall and floor each having a thickness between 0.020 and 0.20 inch.

5. (Previously presented) The golf club head of claim 1, wherein the insert is for increasing a natural frequency of the golf club head.

6. (Currently Amended) The golf club head of claim 1, wherein the rear-insert is coupled to a back face of the golf club head, the back face located opposite ~~a~~ the strike face, and the insert is for dampening a vibration generated in the strike face with when a golf ball contacts the strike face.

7. (Currently Amended) ~~The~~ A golf club head ~~of claim 1,~~
~~wherein the cavity includes a floor, and the~~ comprising:

a toe section;
a heel section;
a rear-cavity insert; and
a center section joining the toe section to the heel section,
the center section having a floor, and a cavity therein for

receiving said insert, which rear-insert is substantially transparent and positioned adjacent to the floor of the golf club head, with the floor including a sight line for positioning the golf club head relative to a golf ball, with the sight line visible through the rear-insert.

8. (Currently amended) The golf club head of claim 1, wherein the rear-insert weighs between 5 and 30 grams.

9. (Currently amended) The golf club head of claim 1, wherein the rear-insert weighs about 12 grams.

10. (Currently amended) The golf club head of claim 1, wherein the rear-insert comprises a material selected from the group consisting of: polycarbonate, graphite, aluminum and graphite epoxy.

11. (Cancelled).

12. (Currently amended) The golf club head of claim 1, wherein the rear-insert is made by a powder metallurgy process.

Serial No.: 10/016,179

13. (Currently amended) The golf club head of claim 1, further comprising a hosel positioned in the rear-insert.

14. (Original) The golf club of claim 1, further comprising a vapor deposited coating covering at least the toe and heel of the golf club head.

15. (Original) The golf club head of claim 14, wherein the vapor deposited coating is comprised of a material selected from the group consisting of: titanium carbo-nitride, chromium carbo-nitride, vanadium, chromium, zirconium, titanium, niobium, molybdenum, hafnium, tantalum, and tungsten, nitrogen and carbon.

16. (Original) The golf club head of claim 1, wherein the club head is selected from the group consisting of: wood-type club heads, iron-type club heads, and putter-type club heads.

17. (Currently amended) The golf club head of claim 1, further comprising a dampener connecting the rear_insert in the cavity.

18. (Original) The golf club head of claim 17, wherein the dampener is selected from the group consisting of: viscoelastic polymers and acrylic polymers.

19. (Original) The golf club head of claim 17, wherein the dampener has a thickness between 0.002 and 0.020 inch.

20. (Previously presented) The golf club head of claim 17, wherein the dampener is for changing a sound emitted by the golf club head when a golf ball is struck.

21. (Currently amended) A golf club head including a strike face for hitting a golf ball, the golf club head comprising:

a toe section;

a heel section;

a substantially transparent rear-insert;

a center section joining the toe section to the heel section, the center section ~~including~~ having a floor, and a cavity therein for receiving ~~a~~ the rear-insert; and

~~ana~~ face-insert coupled to the strike face.

22. (Previously presented) The golf club head of claim 21, wherein the face-insert comprises a material selected from the group consisting of: thermoplastic polyurethanes, and a blend of polyurethane and silicone.

23. (Previously presented) The golf club head of claim 21, wherein the face-insert comprises about 50% of the area of the strike face.

24. (Previously presented) The golf club head of claim 21, wherein the face-insert comprises between about 45 and 75% of the area of the strike face.

25. (Original) The golf club head of claim 21, wherein face-insert has a Bayshore rebound between 30 and 60.

26. (Previously presented) the golf club head of claim 21, wherein the toe section, heel section and center section are a single piece, and the toe section and heel section together comprise at least 80% of the weight of the club head.

Serial No.: 10/016,179

27. (Previously presented) The golf club head of claim 21, wherein the rear-insert is for increasing a natural frequency of the golf club head.

28. (Previously presented) The golf club head of claim 21, wherein the rear-insert is coupled to a back face of the golf club head, with the back face located opposite the strike face, and the face-insert is for dampening a vibration generated in the strike face when a golf ball contacts the strike face.

29. (Currently Amended) ~~The~~ A golf club head ~~of claim 21,~~
~~wherein the cavity includes a floor, and the~~ comprising:

a toe section;

a heel section;

a strike face;

a rear-insert; and

a center section joining the toe section to the heel section,
the center section having a floor, and a cavity therein for
receiving said rear-insert, which rear-insert is substantially
transparent, and positioned adjacent to the floor of the golf club
head, with the floor including a sight line for positioning the
golf club head relative to a golf ball, with the sight line visible
through the rear-insert.

30. (Previously presented) The golf club head of claim 21,
further comprising a golf club shaft positioned in the rear-insert.

31. (Previously presented) The golf club head of claim 21,
further comprising a vapor deposited coating covering at least the
toe and heel of the golf club head.

32. (Original) The golf club head of claim 21, wherein the club head is selected from the group consisting of: wood-type club heads, iron-type club heads, and putter-type club heads.

33. (Previously presented) The golf club head of claim 21, further comprising a dampener connecting the rear-insert in the cavity.

34. (Currently Amended) A golf club head comprising:
a toe section;
a heel section;
a center section joining the toe section to the heel section,
wherein the toe section and heel section comprise at least 80% of the weight of the club head, the center section ~~including~~ having a floor, and a cavity therein for receiving a rear-insert, ~~the cavity having a floor;~~ and

a substantially transparent insert positioned in the cavity and adjacent to the floor ~~of the cavity~~, with the floor including a sight line for positioning the golf club head relative to a golf ball, with the sight line visible through the insert.

35. (Previously presented) The golf club head of claim 34, wherein the insert is for increasing a natural frequency of the golf club head.

36. (Previously presented) The golf club head of claim 34, further comprising a vapor deposited coating covering at least the toe section and heel section of the golf club head.

37. (Previously presented) The golf club head of claim 34, further comprising a dampener connecting the insert to the cavity.

38. (Previously presented) The golf club head of claim 37, wherein the dampener is for changing a sound emitted by the golf club head when a golf ball is struck.

39. (Original) The golf club head of claim 34, wherein the club head is selected from the group consisting of: wood-type club heads, iron-type club heads, and putter-type club heads.